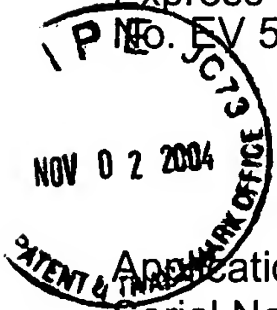


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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Gerrit Klaerner et al.
Serial No. 10/043,394
Filed January 10, 2002
Confirmation No. 4664

Art Unit 1641

For POLYMER BRUSHES FOR IMMOBILIZING MOLECULES TO A
SURFACE OR SUBSTRATE HAVING IMPROVED STABILITY

Examiner Mary Ceperley

November 2, 2004

**RESPONSE TO RESTRICTION AND
ELECTION OF SPECIES REQUIREMENTS**

TO THE ASSISTANT COMMISSIONER FOR PATENTS,

SIR:

In response to the Office action of October 6, 2004, wherein a Restriction was required under 35 U.S.C. §§ 121 as between five (5) groups of claims, Applicants hereby elect to prosecute the claims of Group III (i.e., claims 49-69 and 102-110), and to cancel the claims of Group I, II, IV and V (i.e., claims 1-48 and 70-101) without prejudice. Applicants hereby reserve the right to file one or more divisional applications directed to the non-elected claims during the pendency of this application.

Furthermore, in response to the Election of Species requirement, Applicants hereby elect, to the extent necessary, the following for initial examination:

- - - - -

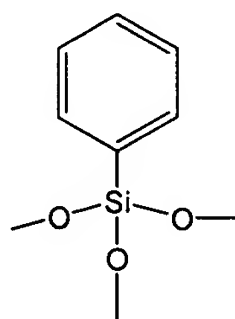
Species 1: The "substrate surface" is silica glass (see, e.g.,
page 74, lines 20-28).

Species 2: The hydrophobic "layer" is styrene and the hydrophilic "layer" is dimethylacrylamide (see, e.g., Example 25).

Species 3: The "probe" is a nucleic acid (see, e.g., page 71, lines 17-22 and page 81, lines 10-25).

Species 4: The "molecule" is a DNA molecule (see, e.g., page 82, lines 15-25).

Species 5: When the hydrophobic layer is styrene, exemplary initiator and spacer (or dummy) molecules are illustrated in Example 25 (the "spacer" having the following structure, wherein the bonds extending from each oxygen atom are attached to the substrate surface):



Claims reading on the elected species include claims 49-69 and 102-110.

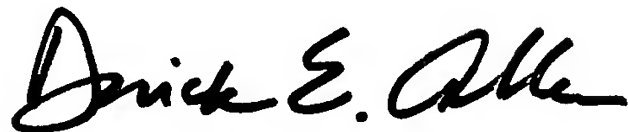
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CONCLUSION

Please charge any fees required pursuant to 37 C.F.R. §1.17 to Deposit Account
No. 19-1345.

Respectfully submitted,

A handwritten signature in black ink, reading "Derick E. Allen". The signature is fluid and cursive, with the first name "Derick" being more prominent and the last name "Allen" following in a similar style.

Derick E. Allen, Reg. No. 43,468
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